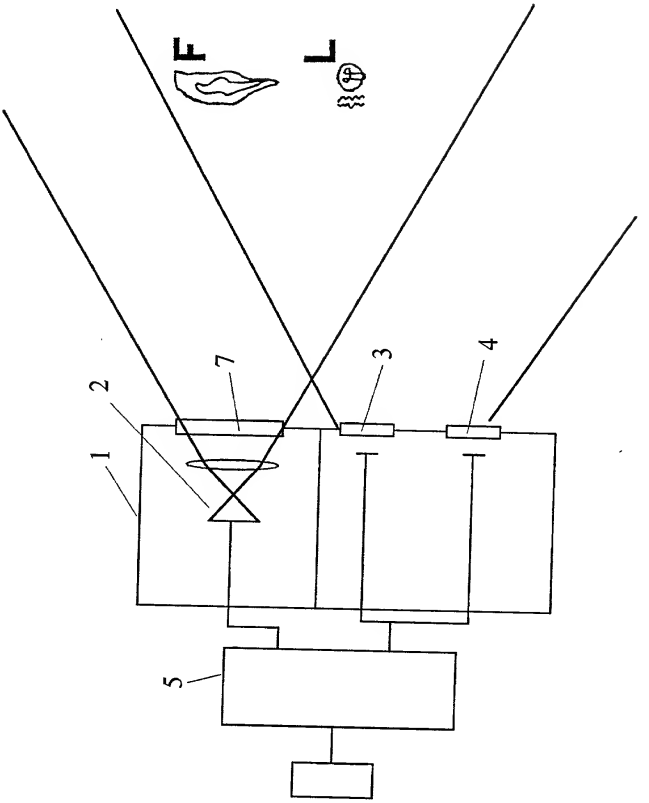

Figure 1

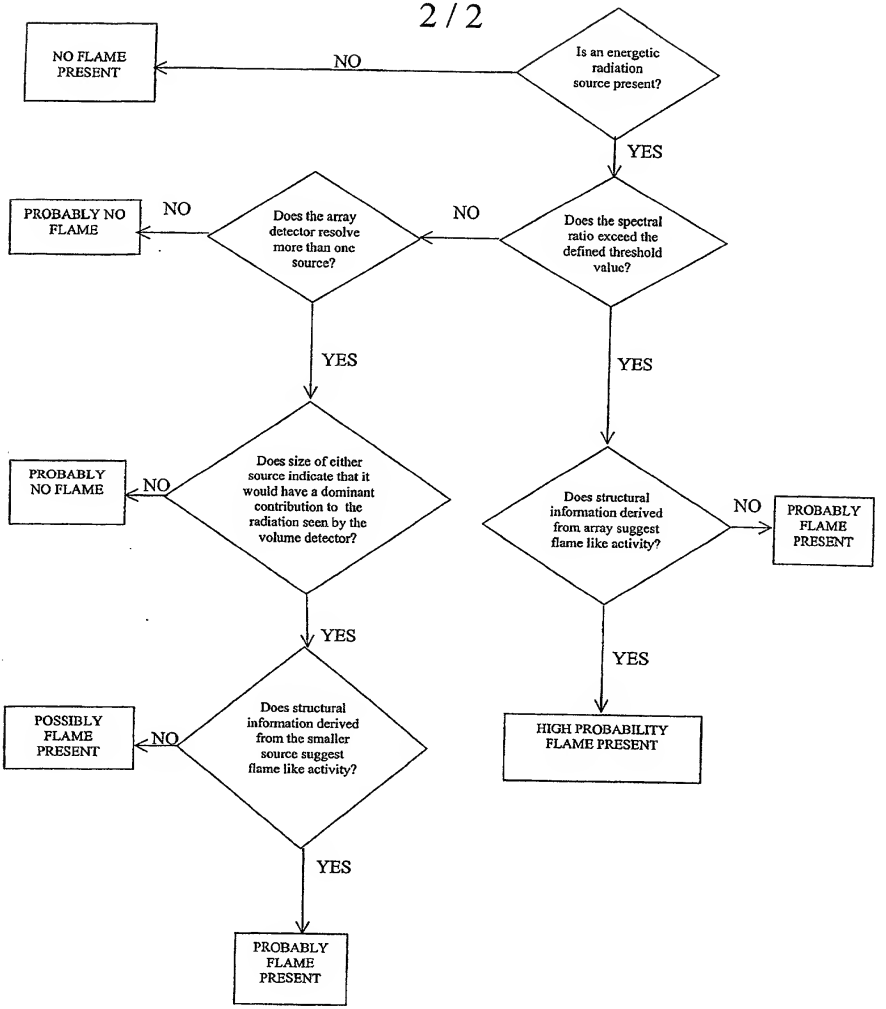
Is an energetic radiation source present?
NO
NO FLAME PRESENT
YES
Does the spectral ratio exceed the defined threshold value?
NO
Does the array detector resolve more than one source?
NO
PROBABLY NO FLAME
YES
YES
Does structural information derived from array suggest flame like activity?
NO
PROBABLY FLAME PRESENT
YES
HIGH PROBABILITY FLAME PRESENT
Does size of either source indicate that it would have a dominant contribution to the radiation seen by the volume detector?
NO
PROBABLY NO FLAME
YES
Does structural information derived from the smaller source suggest flame like activity?
NO
POSSIBLY FLAME PRESENT
YES
PROBABLY FLAME PRESENT

Figure 2